

In the Abstract

Please substitute the following amended Abstract for the Abstract as currently pending (deleted matter is shown by strikethrough and added matter is shown by underlining):

The invention relates to a device for measuring an optical penetration that is triggered in a tissue ~~(6, 14)~~ underneath the tissue surface by means of therapeutic laser radiation which a laser-surgical device [[(5)]] concentrates in a treatment focus [[(11)]] located in said tissue ~~(16, 14)~~. The inventive device is provided with a detection beam path comprising a lens system which couples radiation emanating from the tissue ~~(6, 14)~~ underneath the tissue surface into the detection beam path. A detector device ~~(4, 3, 9; 39, 40, 41; 58, 59, 60)~~ generating a detection signal [[(5)]] which indicates the spatial dimension and/or position of the optical penetration in the issue ~~(6, 14)~~ is arranged downstream of the detection beam path.